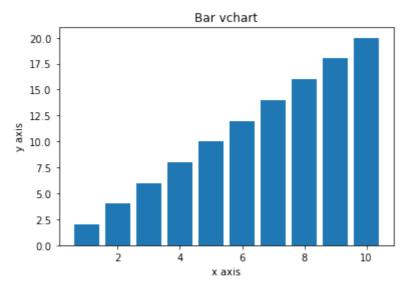
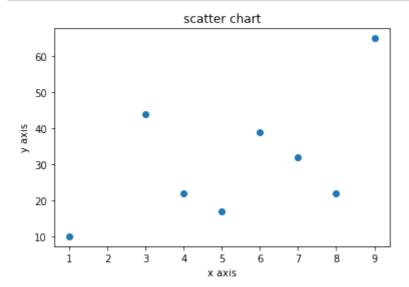
```
In [1]:
             # AIM: DATA VISULIZATION USING matplotlib
 In [2]:
             # Name: Pragati Pramod Bindod
             # Roll no. : 15
             # Section : A
             import numpy as np
 In [8]:
             from matplotlib import pyplot as plt
In [9]:
             x=np.arange(1,11)
In [10]:
          M
   Out[10]: array([ 1,  2,  3,  4,  5,  6,  7,  8,  9, 10])
           ▶ y=2*x
In [11]:
In [12]:
    Out[12]: array([ 2, 4, 6, 8, 10, 12, 14, 16, 18, 20])
In [20]:
           plt.plot(x,y)
             plt.title("Line chart")
             plt.xlabel("x axis")
             plt.ylabel("y axis")
             plt.show()
                                        Line chart
                 20.0
                 17.5
                 15.0
                 12.5
               12.5
× 10.0
                 7.5
                  5.0
                  2.5
                           ż
                                                       8
                                                                10
                                              6
                                          x axis
```



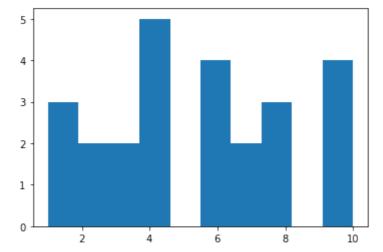
```
In [29]: ► #SCATTER PLOT
```



```
In [43]: ► #HISTOGRAM
```

```
In [46]: H=[1,1,1,2,2,6,6,6,6,4,4,4,4,3,3,10,10,10,10,7,7,8,8,8]
```





In []: • M